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PROFESSIONAL CORPORATION

3/17/2008

Date: ~~March 13, 2008~~

To: Examiner Lynn Anne Bristol

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Original: ☐ To follow via mail ☐ To follow via courier ☐ To follow via email ☒ Original will not followFax Contains: 4 pages (including this sheet). If incomplete, call 858-350-2304.**Message:**

Dear Examiner Bristol,

Please see attached claim amendments for US application no. 10/527,257 (WSGR matter no. 34589-714.831) approved by our client.

Paragraph [0052] of the specification supports the amendment of Claim 3.

Please call me at 858-350-2304 or fax to me at 858-350-2399 (attn: Yung-Hui Lee/WSGR) if you have any comments.

Thank you very much!

Yung-Hui Lee

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Claim Amendments for US app. no. 10/527,257 (WSGR no. 34569-714.831) March 2008

1. (Previously Presented) An isolated human RL5 polypeptide comprising the amino acid sequence of SEQ ID NO: 2, or the amino acid sequence of 29-213 of SEQ ID NO: 2.
2. (Previously Presented) The polypeptide of Claim 1 wherein the polypeptide consists of the amino acid sequence of 1-213 of SEQ ID NO: 2 or the amino acid sequence of 29-213 of SEQ ID NO: 2.
3. (Currently Amended) An isolated polynucleotide which is selected from the group consisting of:
 - (a) a nucleotide sequence encoding the polypeptide comprising the amino acid sequence of SEQ ID NO: 2, ~~or the amino acid sequence of 29-213 of SEQ ID NO: 2; and~~
 - (b) ~~the polynucleotide complementary to the nucleotide sequence of (a) and encoding the polypeptide comprising the amino acid sequence of SEQ ID NO: 2, or the amino acid sequence of 29-213 of SEQ ID NO: 2~~ a nucleotide sequence encoding a polypeptide comprising the amino acid sequence of 29-213 of SEQ ID NO: 2; and
 - (c) a polynucleotide which hybridizes under stringent conditions to the nucleotide sequence of (a) or (b), wherein the polynucleotide encodes a polypeptide which retains the same biological function or activity as the amino acid sequence of SEQ ID NO: 2, or the amino acid sequence of 29-213 of SEQ ID NO: 2.
4. (Currently Amended) The isolated polynucleotide of Claim 3 which encodes a polypeptide comprising the amino acid sequence of 29-213 of SEQ ID NO: 2.
5. (Currently Amended) The isolated polynucleotide of Claim 3 which is selected from the group consisting of
 - (a) the nucleotide sequence of 85-639 of SEQ ID NO: 1;
 - (b) the nucleotide sequence of 1-639 of SEQ ID NO: 1; and
 - (c) the nucleotide sequence of 1-720 of SEQ ID NO: 1.
6. (Original) A vector containing the isolated polynucleotide of Claim 3.
7. (Currently amended) A An isolated genetically engineered host cell comprising the vector of Claim 6.

8. (Previously Presented) A method for producing RL5 protein, which comprises:
- (a) culturing the host cell of Claim 7 under expression conditions for the vector of Claim 6, thereby expressing RL5 protein in a culture of the host cells of Claim 7;
 - (b) isolating RL5 protein from the culture of step (a).
- 9-13. (Canceled)
14. (Previously Presented) An isolated human RL5 polypeptide wherein the polypeptide is encoded by the isolated polynucleotide of Claim 3.
15. (Previously Presented) The polypeptide of Claim 14 wherein the polypeptide is encoded by the polynucleotide selected from the group consisting of:
- (a) the nucleotide sequence of 85-639 of SEQ ID NO: 1;
 - (b) the nucleotide sequence of 1-639 of SEQ ID NO: 1; and
 - (c) the nucleotide sequence of 1-720 of SEQ ID NO: 1.

Paragraph [0052] of the specification supports the amendment of claim 3:

[0052] The present invention further relates to polynucleotides, which hybridize to the hereinabove-described sequences, if there is at least 50%, preferably at least 70%, more preferably at least 80%, and most preferably at least 90% or 95% identity between the sequences. The present invention particularly relates to polynucleotides, which hybridize under stringent conditions to the polynucleotides of the invention. As herein used, the term "stringent conditions" means the following conditions: (1) hybridization and washing under low ionic strength and high temperature, such as 0.2.times.SSC, 0.1% SDS, 60.degree. C.; (2) hybridization after adding denaturants, such as 50% (v/v) formamide, 0.1% bovine serum/0.1% Ficoll, 42.degree. C.; or (3) hybridization of two sequences sharing at least 90%, preferably 95% homology. Further, the polynucleotides which hybridize to the hereinabove described polynucleotides encode a polypeptide which retains the same biological function or activity as the mature polypeptide shown in SEQ ID NO: 2